

Product datasheet for **TP310205L**

Carboxylesterase 7 (CES5A) (NM_145024) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human carboxylesterase 7 (CES7), transcript variant 2, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC210205 representing NM_145024

or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MSGNWWHPGQILIWAIWVLAAPTCKGSAEGPQRNTRLGWIQKQVTVLGSPVPVNVFLGVPFAAPPLGSL
RFTNPQPASPWDNLREATSYPNLCLQNSEWLLLDQHMLKVHYPKFGVSEDCLYLNIYAPAHADTGSKLPV
LWVFPGGAFKTSASIFDGSALAAAYEDLVVVVQYRLGIFGFFTTWDQHAPGNWAFKDQVAALSWVQKNI
EFFGGDPSSVTIFGESAGAISVSSLILSPMAKGLFHKAIMESGVAIIPYLEAHDYEKSEDLQVVAHFCGN
NASDSEALLRCLRTKPSKELLTSLQKTKSFTRVVDGAFFPNEPLDLLSQKAFKAIPSIIGVNNHECGFLL
PMKEAPEILSGSNKSLALHLIQNILHIPPQYLHLVANEYFHDKHSLTEIRDSLLDLLGDVFFVWPALITA
RYHREGATEEEKLLSRKMMKYWATFARTGNPNGNDLSLWPAYNLTEQYLQLDLNMSLGQRLKEPRVDFWT
STIPLILSASDMLHSPLSSLTFLSLLQPFFFCAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 58 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



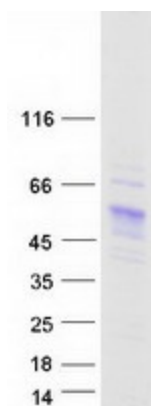
[View online >](#)

RefSeq:	NP_659461
Locus ID:	221223
UniProt ID:	Q6NT32 , V9HWK3
RefSeq Size:	1962
Cytogenetics:	16q12.2
RefSeq ORF:	1575
Synonyms:	CAUXIN; CES4C1; CES5; CES7; HEL126

Summary: This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They also participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene, also called CES5, is predominantly expressed in peripheral tissues, including brain, kidney, lung and testis. It encodes a secreted enzyme. Because of high levels in the urine of male domestic cats, this enzyme is also called cauxin (carboxylesterase-like urinary excreted protein). The enzyme functions in regulating the production of a pheromone precursor and may contribute to lipid and cholesterol transfer processes within male reproductive fluids. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Protein Families: Druggable Genome
Protein Pathways: Drug metabolism - other enzymes

Product images:



Coomassie blue staining of purified CES5A protein (Cat# [TP310205]). The protein was produced from HEK293T cells transfected with CES5A cDNA clone (Cat# [RC210205]) using MegaTran 2.0 (Cat# [TT210002]).